

Conference theme:

DESIGNING INNOVATION THROUGH PRODUCTIVE DISRUPTIONS

17 - 19 September, 2025 / organized by University of Zagreb Faculty of Organization and Informatics / Varaždin, Croatia

DAY 1: Wednesday, September 17

08:00 - 09:00

REGISTRATION

Register for CECIIS 2025 at the registration desk
Location: Hallway

09:00 - 09:30

OPENING SESSION

OPENING AND WELCOME SESSION
Location: Room 1, FOI 1

09:30 - 10:30

KEYNOTE SPEECH

Pushing the Boundaries of Modern Key-Enabling Technologies from Research to Innovation

KEYNOTE: Prof. Julius Georgiou, Ph.D. (Electrical and Computer Engineering at the University of Cyprus)
Location: Room 1, FOI 1

10:30 - 11:00

BREAK

COFFEE BREAK
Location: FOI caffe bar (basement)

PARALLEL EVENT

MEET OUR KEYNOTE
PROF. JULIUS GEORGIU, PH.D.
(Electrical and Computer Engineering at the University of Cyprus)
Location: Room 10

11:00 - 12:00

PANEL

PANEL DISCUSSION - SMART INDUSTRY WAY FORWARD
Location: Room 1, FOI 1

Panelists:

Prof. Julius Georgiou, Ph.D., Electrical and Computer Engineering at the University of Cyprus

Prof. Dr. Ing. Dennis Kolberg, Ph.D., Institute for Entrepreneurship and Business Development at the Technical University of Applied Sciences Lübeck (Germany)

Siniša Husnjak, Ph.D., Sick Mobilisis d.o.o.

Darko Jureković, Academy Programme Manager, Oracle

Chair: Full Prof. Neven Vrček, Ph.D.

12:00 - 13:30

PARALLEL EVENTS

12:00-12:30
PROGRAM COMMITTEE MEETING
Location: Room 11, FOI 1

12:30-13:30
LUNCH BREAK FOR PROGRAM COMMITTEE
Location: Faculty Hall (3rd floor)

BREAK

12:00 - 13:30
LUNCH BREAK FOR CONFERENCE PARTICIPANTS
(please register)
Location: Restaurant & Pizzeria Verglec
Google maps:
<https://maps.app.goo.gl/GMD4LevjzVveSBNy8>

Sponsors: **INFODOM** **ORACLE**



Partners:



Conference theme:

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17 - 19 September, 2025 / organized by University of Zagreb Faculty of Organization and Informatics / Varaždin, Croatia

DAY 1: Wednesday, September 17

13:30 - 15:00

CONFERENCE SESSION

STRATEGIC PLANNING AND DECISION MAKING

Location: Room 1, FOI 1

Online: <https://bbb.foi.hr/rooms/edf-3fz-gc8-o2l/join>

Presentations:

Developing an LLM-specific Coding Framework for Prediction and Feedback Modeling of Science Teachers' Instructional Expertise (Jin Eun Yoo; Nam-Hwa Kang; Suna Ryu; Jun-ki Lee; Youngsun Kwak; Hyeong Gwan Kim)

A conceptual model to assess and develop digitalisation in the social economy's people care sector: the case of Prato (Italy), Mataro (Spain) and Varaždin (Croatia) (Teresa Monllau; Nikola Kadoić; Enrico Testi; Silvia Sordi; Jaime Lacueva; Ivan Malbašić)

Exploring the impact of digital infrastructure challenges on learning outcomes and student satisfaction (Enrique Mu; Anna Florek-Paszowska; Santiago Luis Risco-Martinez)

Students' Cognitive Engagement in Blended Learning: Observations from Event-contingent Self-report and Log Data (Sabina Rako; Nina Begičević Ređep; Barbara Šlibar; Diana Šimić; Bart Rienties)

Bridging Systems, Shaping Futures: A Multilevel Strategy for Curriculum Transformation for Innovation and Resilience in Higher Education (Predrag Trpeski; Violeta Cvetkoska)

Chairs:

Full Prof. Nina Begičević Ređep, Ph.D.
Asst. Prof. Nikola Kadoić, Ph.D.

PARALLEL EVENTS

13:30 - 14:00

CONFERENCE POSTER SECTION

Location: Meeting Room (1st floor), FOI 1

Posters:

From planning to implementation: How the Faculty of Veterinary Medicine is building a digital future (Marko Poletto; Nino Mačešić; Jovana Ivanić; Snježana Kužir; Klara Bilić)

Educator-AI Partnership: From Learning Design to Microcredentials (Petra Vondra; Barbi Svetec; Darko Grabar; Josipa Bađari; Blaženka Divjak)

Chairs:

Full Prof. Nina Begičević Ređep, Ph.D.
Asst. Prof. Dina Korent, Ph.D.
Marijana Bubanić, Ph.D.

LEARNING ANALYTICS, AI AND TECHNOLOGIES IN EDUCATION

Location: Room 3, FOI 1

Online: <https://bbb.foi.hr/rooms/8ho-4j6-jdu-a8w/join>

Presentations:

The Impact of Different Game Modes in an Educational WebApplication on Student Engagement and Performance (Mia Šagovac; Dorotea Potoč; Tomislav Jagušć)

Software Standards in Action: A Complaint-Driven Game Inspired by Real Project Failures (Sevgi Koyuncu Tunç)

The Dual-Edged Sword: Exploring Student Perceptions and Emotional Responses to AI in Academic Writing (Goran Hajdin; Igor Balaban; Marko Matus)

Enhancing learning experiences: The role of mixed reality in higher education (Kelebogile Dibetso; Adriana Steyn)

The Application of Text-to-SQL Systems as Support in Learning SQL Language in Higher Education (Vladan Čolić; Enes Sukić)

Chairs:

Full Prof. Blaženka Divjak, Ph.D.
Full Prof. Igor Balaban, Ph.D.
Full Prof. Marjan Krašna, Ph.D.

Sponsors: **INFODOM** **ORACLE**



Partners: **foi** UNIVERSITY OF ZAGREB
FACULTY OF ORGANIZATION AND INFORMATICS
VARAŽDIN



Conference theme:

DESIGNING INNOVATION THROUGH PRODUCTIVE DISRUPTIONS

17 - 19 September, 2025 / organized by University of Zagreb Faculty of Organization and Informatics / Varaždin, Croatia

DAY 1: Wednesday, September 17

13:30 - 15:00

CONFERENCE SESSION

DESIGNING INNOVATION THROUGH PRODUCTIVE DISRUPTIONS

Location: Room 10, FOI 1

Online: <https://bbb.foi.hr/rooms/hih-fog-yhg-hgo/join>

Presentations:

Digital Twin-Enhanced Fire Response Through Unmanned Aerial Reconnaissance System (Domagoj Tuličić; Snježana Križanić)

Tactile Collaboration and Backcasting to Design Meaningful Futures and Strategies (Aldo Valencia; Violeta Cvetkoska; Bojan Kitanovikj; Alison Pearce)

Smart Synergies: Open Innovation and Predictive Models in the Telecom-Insurance Ecosystem (Metodija Mirchev; Violeta Cvetkoska; Igor Ivanovski)

Virtual Reality as a Strategic Tool: Adoption Patterns and Distribution Channels in Croatian Hotels (Tamara Ćurlin; Jasmina Pivar)

Digital Transformation in the Gaming Industry (Igor Pihir; Ivan Kardašić)

Privacy protection and social media (Anamarija Horvat; Renata Mekovec)

Chairs:

Full Prof. Neven Vrčec, Ph.D.

Full Prof. Katarina Tomičić-Pupek, Ph.D.

DATA AND KNOWLEDGE BASES

Location: Room 7, FOI 1

Online: <https://bbb.foi.hr/rooms/dyc-xhz-1ir-olw/join>

Presentations:

Parallel Utilization of SQL and NoSQL Databases –A Systematic Literature Review (Nađa Klještanović; Sonja Ristić; Darko Stefanović)

Relational Modelling of Cyberattacks: A Taxonomy for the Analysis of Threat Interactions in Digital Environments (Mikel Ferrer-Oliva; José Amelio Medina-Merodio; José Javier Martínez-Herraiz; Carlos Cilleruelo-Rodríguez)

Data Quality in Distributed Information Systems: Conceptual Challenges and Empirical Findings (Sven Vujević; Maja Cerjan; Kornelije Rabuzin)

The Role of Ontologies and Semantic Technologies in Developing Educational Chatbots (Ana Petrović; Danijela Jakšić; Kristian Stančin)

Chairs:

Full Prof. Sandra Lovrenčić, Ph.D.

Full Prof. Patrizia Pošćić, Ph.D.

CONFERENCE SESSION

15th Student Poster and Online Presentation Section

14:00 - 15:00

PART 1 STUDENTS POSTER PRESENTATIONS AND JOINT PHOTO

Location: Hallway

Chair:

Full Prof. Violeta Vidaček-Hainš, Ph.D.

Sponsors: **INFODOM** **ORACLE**



Partners:



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DESIGNING INNOVATION THROUGH PRODUCTIVE DISRUPTIONS

17 - 19 September, 2025 / organized by University of Zagreb Faculty of Organization and Informatics / Varaždin, Croatia

DAY 1: Wednesday, September 17

<p>15:00 - 16:30</p>	<p>OTHER EVENTS</p> <p>Cracker Barrel Session - Enhancing decision-making agility in education Location: FOI caffe bar (basement) powered by FINA</p> <p>Hosts: Full Prof. Nina Begičević Ređep, Ph.D. (University of Zagreb Faculty of organization and informatics) Full Prof. Blaženka Divjak, Ph.D. (University of Zagreb Faculty of organization and informatics) Associate Professor Riana Steyn Ph.D. (University of Pretoria)</p>	<p>CONFERENCE SESSION</p> <p>15:00 - 16:30 PART 2 Students Section - Faculty hall 3rd floor and online BBB Location: Faculty hall (3rd floor) Online: https://bbb.foi.hr/rooms/vio-mjt-ujg/join</p> <p>Chairs: Full Prof. Violeta Vidaček-Hainš, Ph.D. Full Prof. Victoria Appatova, Ph.D.</p>	<p>OTHER EVENTS</p> <p>16:30 - 18:15 Visit to the museum Location: The basement of the County Palace Google maps: https://maps.app.goo.gl/qFQkskVmXFPvXUjba</p>
<p>16:45 - 18:15</p>	<p>OTHER EVENTS</p> <p>Pub quiz Location: FOI caffe bar (basement) powered by HBOR</p>	<p>16:30 - 17:00 PART 3 Invited Lectures - Faculty hall 3rd floor Location: Faculty Hall (3rd floor)</p> <p>Invited lecture prof. Machdel Mathee, Ph.D. Invited lecture prof. Jin Eun, Ph.D.</p> <p>Chairs: Full Prof. Violeta Vidaček-Hainš, Ph.D. Full Prof. Victoria Appatova, Ph.D.</p>	
<p>18:15 - 21:00</p>	<p>OTHER EVENTS</p> <p>WELCOME COCKTAIL (please register) Location: Park Boutique Hotel Google maps: https://maps.app.goo.gl/hM3b7XrEknJtBkDK9</p>		

Sponsors: **INFODOM ORACLE**



Partners:



Conference theme:

DESIGNING INNOVATION THROUGH PRODUCTIVE DISRUPTIONS

17 - 19 September, 2025 / organized by University of Zagreb Faculty of Organization and Informatics / Varaždin, Croatia

DAY 2: Thursday, September 18

08:30 - 09:00

REGISTRATION

Register for CECIIS 2025 at the registration desk
Location: Hallway

09:00 - 09:45

KEYNOTE SPEECH

Keynote speech:

Approaches in software startups to foster innovative products

KEYNOTE: Prof. Dr. Ing. Dennis Kolberg, Ph. D. (Institute for Entrepreneurship and Business Development at the Technical University of Applied Sciences Lübeck (Germany))
Location: Room 1, FOI 1

09:45 - 11:15

BREAK

COFFEE BREAK

Location: FOI caffe bar (basement)
&

PROJECT PITCHES

Location: FOI caffe bar (basement)

PARALLEL EVENTS

09:45 - 10:30

Guest lecture within the project Digitalization in entrepreneurship in the context of response to an exogenous shock: Drivers, barriers and impact on firm resilience (DigEntre) (open event)

Location: Faculty Hall (3rd floor)

Digitalization and Digital Transformation of the Economy: Two Sides of the Same Coin

Lecturer: Marko Milić, Full professor, University of Belgrade, Faculty of Organizational Science

OTHER EVENTS

09:45 - 10:15

Meet our keynote
Prof. Dr. Ing. Dennis Kolberg, Ph. D.

Location: Room 10, FOI 1

11:15 - 12:45

CONFERENCE SESSION

COMPUTER GAMES

Location: Room 1, FOI 1

Online: <https://bbb.foi.hr/rooms/lbd-yrp-0ap-qqb/join>

Presentations:

Play It Safe: Evaluating Participatory Game-Based Learning Activities for Internet Safety Among Primary and Secondary School Students (Marinela Schatten; Ljiljana Inkret-Martinčević; Martina Koščak)

Generative Worldcrafting: A Modular Framework for AI-Assisted Content Creation in Games (Tomislav Peharda; Bogdan Okreša Đurić)

Influencing the Output of a Large Language Model using Defined Personality Trait Facets (Bogdan Okreša Đurić; Tomislav Peharda; Hrvoje Zeman)

Development of a 3D Platformer Game for a Pseudo-Holographic Gaming Console (Markus Schatten; Lara Erdogan; Lana Maček; Tin Muhar; Marin Vabec; Josip Novak)

An AI Enhanced Game Master Assistant for Table Top Role Playing Games (Markus Schatten; Jakov Malović; Ivan Barišić; Antonio Martinaga; Jakov Marčan; Sven Pavlić; Petar Tonković)

Chairs:

Full Prof. Markus Schatten, Ph.D.

Jaume Jordán Prunera, Ph.D.

Asst.Prof. Bogdan Okreša Đurić, Ph.D.

PARALLEL EVENTS

11:15 - 12:45

DigEntre project working meeting (closed event)

Location: Faculty Hall (3rd floor)

Sponsors: **INFODOM ORACLE**

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Partners:

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UNIVERSITY OF ZAGREB
FACULTY OF ORGANIZATION AND INFORMATICS
VARAŽDIN

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UNIVERSITY OF ZAGREB
Faculty of Electrical Engineering and Computing

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FACULTY OF ELECTRICAL ENGINEERING
COMPUTER SCIENCE AND
INFORMATION TECHNOLOGY OSIEK

University of Zagreb
Faculty of Transport and Traffic Sciences

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GRADUATE SCHOOL OF ENGINEERING

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11:15 - 12:45

CONFERENCE SESSION

LEARNING ANALYTICS, AI AND TECHNOLOGIES IN EDUCATION

Location: Room 3, FOI 1

Online: <https://bbb.foi.hr/rooms/8ho-4j6-jdu-a8w/join>

Presentations:

Disrupting Reading through the Invisible Presence of AI: Rethinking Credibility and Critical Reading in Primary Education (Maja Kerneža; Daniel Hari; Andrej Flogie; Dejan Zemljak)

Social Robots and AI-Driven Learning: A Pilot Study on Student Engagement in Higher Education (Daniel Hari; Dejan Zemljak; Maja Kerneža; Andrej Flogie)

Can We Trust AI in the Classroom? Examining Ethical and Privacy Challenges of LLMs (Ivana Ružić; Igor Balaban)

Attitudes Toward AI in Academic Assessment: A Survey of Croatian Higher Education Teachers (Jurica Grzunov; Ljiljana Zekanović-Korona; Zdravko Kunić)

Lightweight Prompt Engineering for Cognitive Alignment in Educational AI: A OneClickQuiz Case Study (Antoun Yaacoub; Zainab Assaghir; Jérôme Da-Rugna)

The AI Classroom: Systematic Literature Insights into Quality and Access in Education (Caitlin Braga; Adriana Steyn)

TRENDS IN SOFTWARE ENGINEERING

Location: Room 10, FOI 1

Online: <https://bbb.foi.hr/rooms/yxc-f6x-vnb-d2c/join>

Presentations:

Implementing Education 4.0 in Software Engineering Education: the JCC experience (Roberta Capuano; Henry Muccini; Zlatko Stapić)

A Comparative Study of Vibe Coding with ChatGPT and Gemini in Front-end Web Development (Marko Horvat; Barbara Kralj; Gordan Gledec)

A preliminary Study on the Use of Generative AI in Software Engineering Education (Pablo Hidalgo; Marko Mijač; Adrián Domínguez; Daniel Rodriguez)

Dark Patterns in the Public Sector: A Study of Cookie Consent Interfaces on Croatian Websites (Marija Kuštelega)

Analiza utjecaja hrvatskog jezika kao jezika publikacije na vidljivost i citiranost znanstvenih radova u području računalnih znanosti i inženjerstva (Boris Tomaš)

Chairs:

Asst. Prof. Marko Mijač, Ph.D.

Assoc. Prof. William Steingartner, Ph.D.

Full Prof. Luis de Marcos Ortega, Ph.

Chairs:

Full Prof. Blaženka Divjak, Ph.D.

Full Prof. Igor Balaban, Ph.D.

Full Prof. Marjan Krašna, Ph.D.

INTELLIGENT SYSTEMS

Location: Room 7, FOI 1

Online: <https://bbb.foi.hr/rooms/lus-fgq-dzm-n77/join>

Presentations:

Compressibility of WGANs in a Distributed Learning Environment (Luka Lukač; Damjan Strnad; Štefan Horvat)

Performance study of a bidirectional vanilla spiking neural network for signal noise suppression (Dominik Čambál; Martin Pukanec; Monika Herchlová; Juraj Ďudák; Matúš Nečas)

Impact of Imputation Methods on the Performance of Classification Algorithms (Bojan Radišić; Ivan Dunder; Sanja Seljan)

Smart Cuvette: An Integrated Optical System for Ethanol Measurement in Liquid Samples (Ivana Kovačević; Ivan Aleksi; Tomislav Matić; Josip Zidar)

Methodology for the comparative analysis of PCA and Autoencoders in dimensionality reduction: impact on classification accuracy and computational efficiency (Saša Mitrović; Neven Vrček)

Detecting Discrimination Using Selected Data Mining Methods (Marija Brkić Bakarić; Lucia Načinović Prskalo; Petra Kuljiš)

Chairs:

Full Prof. Jasminka Dobša, Ph.D.

Full Prof. Dunja Mladenčić, Ph.D.

12:45 - 13:45

Workshop organized by Oracle:

Artificial intelligence and data analytics as support for innovation and business decision-making

Lecturer: Ljiljana Perica, Oracle Master Principal Account Cloud Engineer - Database Platform

Location: Room 2, FOI 1

Sponsors: **INFODOM** **ORACLE**



Partners:



FACULTY OF ELECTRICAL ENGINEERING
COMPUTER SCIENCE AND
INFORMATION TECHNOLOGY OSIEK



Conference theme:

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12:45 - 14:15

CONFERENCE SESSION

INNOVATION, ENTREPRENEURSHIP AND ECONOMIC GROWTH

Location: Room 1, FO1

Online: <https://bbb.foi.hr/rooms/ach-3wr-ubn-4cd/join>

Presentations:

IT project management: Does sustainability matter? (Marija Vugrinec; Katarina Pažur Aničić)

Digital Transformation of HR Practices: A Systematic Review and Bibliometric Analysis of e-HRM Literature (Luka Juricinec; Marina Klacmer Calopa)

Digitalization of Banking Processes and Adaptation for Elderly People (Natali Belušić; Kristina Šorić)

AI and Simulation in Entrepreneurial Education: Lessons from the RITup Ventures Program (Antonia Kurtović; Kristina Šorić)

Chairs:

Full Prof. Vladimir Kovšca, Ph.D.
Assoc. Prof. Martina Tomičić Furjan, Ph.D.

DATA AND KNOWLEDGE BASES

Location: Room 7, FO1

Online: <https://bbb.foi.hr/rooms/dyc-xhz-1ir-olw/join>

Presentations:

Unlocking Data Quality for Responsible Artificial Intelligence (Dajana Marnika; Maja Gligora Marković; Božidar Kovačić)

Building Trustworthy Knowledge: Data Quality and Validation Protocols for Educational Knowledge Graphs (Ana Pasarić; Patrizia Pošćić; Danijela Jakšić)

A Case Study on the Two-Sided Version of the Node of Knowledge Conceptual Framework (Martina Asenbrener Katic; Sanja Candrljic; Marina Rauker Koch)

Chairs:

Full Prof. Sandra Lovrenčić, Ph.D.
Full Prof. Patrizia Pošćić, Ph.D.

DIGITAL TRANSFORMATION AND CORPORATE CULTURE

Location: Room 10, FO1

Online: <https://bbb.foi.hr/rooms/da6-e5s-boc-muk/join>

Presentations:

Indirect User Experience Evaluation: Insights From Employees Working on a Public Sector Information System (Krešimir Kavran; Boštjan Šumak)

Digitalization of Accounting in the 21st Century – A Bibliometric Analysis (Zvonimir Vukić)

From Human-Centered to Hybrid: Mapping the Emergence of GenAI in Organizational Actor-Networks (Daniel Fernando Olmedo Mejia; Violeta Cvetkoska)

Barriers to Cyber Hygiene in Hybrid Work Environments: A Case Study of a Lesotho Developmental Parastatal (Machdel Matthee; Lebohang Nkhabu)

Planning and Development Processes for the Information System Based on the Command Query Responsibility Segregation Design Pattern (Krešimir Kavran; Maja Pušnik)

Impact of Technostress on the Adoption of Artificial Intelligence - A Bibliometric Analysis (Anamarija Zron)

Chairs:

Full Prof. Katarina Tomičić-Pupek, Ph.D.
Assoc. Prof. Gabriel Gaspar, Ph.D.
Assoc. Prof. Ing. Peter Márton, Ph.D.

STRATEGIC PLANNING AND DECISION MAKING

Location: Room 3, FO1

Online: <https://bbb.foi.hr/rooms/edf-3fz-gc8-o2l/join>

Presentations:

Gender equality in the fields of information and communication technology in healthcare (Nikica Daraboš; Violeta Vidaček-Hainš; Nevena Ladić)

Reactive Scheduling under Due-Date and Intermediate Storage Constraints: A Conceptual Multi-Objective Approach (Krisztián Attila Bakon; Tibor Holczinger)

Application of Multi-Objective Optimization for Short-Term Operation Planning of an Energy Community (Sanja Kelemen; Nemanja Mišljenović; Goran Knežević; Stjepan Babić)

Using Large Language Models for Creating, Modifying and Interpreting Decision Tables in Multi-Criteria Method DEX (Marko Bohanec)

The Impact of Environmental Training on Employee Motivation and Corporate Sustainability in Spanish Companies (Marta Mas-Machuca; Alba Manresa; Jasmina Berbegal-Mirabent)

Generative AI and Workplace Productivity: A Qualitative Study in Spain (Marta Mas-Machuca; Frederic Marimon; Anna Akhmedova)

Chairs:

Full Prof. Nina Begičević Ređep, Ph.D.
Asst. Prof. Nikola Kadoić, Ph.D.

14:15 - 15:00

OTHER EVENTS

WALKING LUNCH

Lokacija: Park Boutique Hotel

Google maps: <https://maps.app.goo.gl/hM3b7XrEknJtBkDK9>

15:00 - 22:00

CONFERENCE EXCURSION

Location: Trakošćan Castle

Organized bus transportation
(please register)

Sponsors: **INFODOM** **ORACLE**



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FACULTY OF ELECTRICAL ENGINEERING
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REGISTRATION

Register for CECIIS 2025 at the registration desk
Location: Hallway

09:00 - 10:30

CONFERENCE SESSION

CYBER-PHYSICAL SYSTEMS AND INTELLIGENT ENERGY

Location: Room 1, FOI 1

Online: <https://bbb.foi.hr/rooms/yaj-lpz-ek0-iqh/join>

Presentations:

Modeling and Construction of Circular Economy Digital Twins Based on System Dynamics (Lea Masnec; Vjeran Strahonja)

Application of Artificial Intelligence and Internet of Things in Rehabilitation and Health Recovery (Ivan Kolarić; Karlo Pepelnik; Dino Vlahek; Dijana Oreški; Jelena Gusić Mundžar; Bojan Žugec; Nikola Kadoić)

Virtual Security Zone System (Juraj Đuđák; Juraj Repka)

Comparative Analysis of Bandpass IIR Filters on Microphone PDM Signal for FPGA Implementation (Lukrecia Vulić; Ivan Aleksi; Tomislav Matić)

Use of Piezoelectric Technology for Fluid Valves as an Energy Saving Alternative (Milan Daño; Martin Juhás; Patrik Gašparovič; Bohuslava Juhásová; Fedor Burčiar)

The Potential of Using a Small PV Battery System to Overcome Electricity Supply Disruptions (Zvonimir Šimić; Danijel Topić; Marina Dubravac; Nemanja Mišljenović)

LEARNING ANALYTICS, AI AND TECHNOLOGIES IN EDUCATION

Location: Room 3, FOI 1

Online: <https://bbb.foi.hr/rooms/8ho-4j6-jdu-a8w/join>

Presentations:

Learning path definition and usage in the context of learning analytics: literature review (Valentina Kirinić; Mihaela Bosak)

Teachers' digital competences and the connection of lifelong learning in higher education (Jasenka Begić; Goran Đambić; Ana Lokas Čošković; Ana Tecilazić; Vanja Šebek; Karolina Zelenika)

Exploring Teachers' Acceptance of Digital Textbooks: A Pilot Study in Croatian Primary Schools (Melita Milić; Blaženka Divjak)

Between Innovation and Reality: Teachers' Attitudes Toward ICT in Teaching (Krešimir Pavlina; Ana Pongrac Pavlina; Anita Modrušan)

Children's Screen Time, Preoccupation with Technology, Social Media Use, and Playing Video Games as Possible Predictors of GPA – a Longitudinal Study (Maja Kućar; Andreja Brajša-Žganec; Tamara Bolić)

Chairs:

Full Prof. Blaženka Divjak, Ph.D.

Full Prof. Igor Balaban, Ph.D.

Full Prof. Marjan Krašna, Ph.D.

Chairs:

Full Prof. Ivan Magdalenić, Ph.D.

Full Prof. Marinko Barukčić, Ph.D.

Full Prof. Danijel Topić, Ph.D.

INNOVATION, ENTREPRENEURSHIP AND ECONOMIC GROWTH

Location: Room 7, FOI 1

Online: <https://bbb.foi.hr/rooms/ach-3wr-ubn-4cd/join>

Presentations:

Leveling Up Process Efficiency: AI as a Game-Changer for SMEs (Ivan Turčić; Ana-Marija Stjepić; Tomislav Jurić)

The Influence of Blockchain-based Triple-entry Accounting on Accounting Information – a Theoretical and Conceptual Perspective (Tanja Šestanjan-Perić)

Cultural Factors that Inhibit or Facilitate Innovation in Family Businesses: A Systematic Literature Review (Idoia de Paz Gómez)

Potentials and Barriers of Using Big Data in Austrian SMEs (Berndt Jesenko; Walter Rath; Harris Gerzic)

Digital Resilience of SMEs: Conceptual Distinction and Strategic Factors in the Context of Disruptions (Ivona Kocijan; Kristina Detelj)

Chairs:

Full Prof. Vladimir Kovšca, Ph.D.

Assoc. Prof. Martina Tomičić Furjan, Ph.D.

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Partners:



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DAY 3: Friday, September 19

10:30 - 12:00

CONFERENCE SESSION

SYSTEMS FOR SMART MOBILITY

Location: Room 3, FOI 1

Online: <https://bbb.foi.hr/rooms/quh-cof-rnj-ckv/join>

Presentations:

Dynamic Lane Reversal Review (Mihael Radovan)

Telepresence Robots as Emerging Technologies in Elderly Care and Wellbeing: The Case of Estonia (Sirje Virkus; Marianne Paimre)

Application of Internet of Things in urban mobility (Dunja Srpak; Josip Srpak; Miljenko Mustapić)

INTELLIGENT SYSTEMS

Location: Room 7, FOI 1

Online: <https://bbb.foi.hr/rooms/lus-fgg-dzm-n77/join>

Presentations:

Analysis of Popular Croatian Song Lyrics (Dalibor Bužić; Jasminka Dobša)

How ChatGPT and Gemini View the Elements of Communication Competence of Large Language Models: A Pilot Study (Goran Bubaš)

Towards User-Centric Chatbot for Q&A in Industry: Evaluation of Employees (Marko Vještica; Elena Akik; Vladimir Dimitrieski; Lukas Hinterleitner; Jonas Wiczorek; Jovan Erić; Frank-Christian Weidenfelder)

Chair: From Black Box to User Insight: Explainability and Usability in Toxicity Detection

Assoc. Prof. Edouard Ivanjko, Ph.D. (Oliver Lohaj; Anastasiia Radishevskaja)

Pyramidal Recursive Composition of Multi-Word Units into Unified Representations (Karlo Babić; Ana Meštrović)

Beyond Traditional BI: Large Language Models as Game-Changers in Document Processing (Ivica Lukić; Tea Krčmar; Dina Šabanović; Miljenko Švarcmajer; Mirko Köhler; Marko Carević)

Chairs:

Full Prof. Jasminka Dobša, Ph.D.

Full Prof. Dunja Mladenić, Ph.D.

12:00 - 13:00

CLOSING

AWARDS AND CELEBRATION LUNCH

Location: Park Boutique Hotel

Google maps: <https://maps.app.goo.gl/hM3b7XrEknJtBkDK9>

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